

ABSTRACT

A pattern material supply unit (300) has a shower head (310) for producing a particle mist from the liquid pattern material (312) and discharging the mist. A process stage (318) on which the workpiece (20) is placed is disposed below the shower head (310). A hydrophobic processed mask with pattern forming openings is disposed on the surface of the workpiece (20). A voltage is applied by a dc power source (328) to the workpiece (20) by way of the intervening process stage (318) so that particles of the liquid pattern material (312) are attracted thereto by static attraction. The liquid pattern material adhering to the mask surface fills in the pattern forming openings disposed in the mask as a result of the process stage (318) rotating, and the liquid pattern material can be heated and solidified by an internal heater (326).